Substitute Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 07977-084002

Application No. 09/686,653

Information Disclosure Statement

by Applicant

(lice several sheets if necessary)

by Applicant (Use several sheets if necessary)

Applicant Shunpei Yamazaki, et al.

Filing Date

Group Art Unit

October 10, 2000 2871

U.S. Patent Documents								
Exam Initi		Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
2	\	AA	2002/0117736	Aug 29, 2002	Yamazaki et al.			
		AB	3,844,908	Oct 29, 1974	Matsuo et al.	1		
		AC	4,226,898	Oct. 7, 1980	Ovshinsky et al.			
		AD	4,523,370	Jun. 18, 1985	Sullivan et al.			
		AE	4,557,036	Dec. 10, 1985	Kyuragi et al.		1	
		AF	4,597,637	Jul. 1, 1986	Ohta			:
		AG	4,759,610	Jul. 26, 1988	Yanagisawa		Х	
		AH	4,800,174	Jan. 24, 1989	Ishihara et al.			
		AI	4,864,376	Sep. 5, 1989	Aoki et al.			
		AJ	5,003,356	Mar. 26, 1991	Wakai et al.			·
		AK	5,055,899	Oct. 8, 1991	Wakai et al.	$\Gamma T$		·
		AL	5,056,895	Oct. 15, 1991	Kahn			
		AM	5,066,110	Nov 19, 1991	Mizushima et al.			
		AN	5,084,905	Jan. 28, 1992	Sasaki et al.			•
		AO	5,091,334	Feb. 25, 1992	Yamazaki et al.	$\prod$		
		AP	5,132,821	Jul. 21, 1992	Nicholas			
		AQ	5,200,846	Apr. 6, 1993	Hiroki et al.			
		AR	5,206,183	Apr 27, 1993	Dennison			
		AS	5,227,900	Jul. 13, 1993	Inaba et al.			
		AT	5,235,195	Aug. 10, 1993	Tran et al.			
-1		AU	5,287,205	Feb. 15, 1994	Yamazaki et al.			·
		AV	5,289,016	Feb. 22, 1994	Noguchi			
		AW	5,327,001	Jul. 5, 1994	Wakai et al.			
		AX	5,488,000	Jan. 30, 1996	Zhang et al.		,	:
		AY	5,495,353	Feb. 27, 1996	Yamazaki et al.			:
		AZ	5,499,123	Mar. 12, 1996	Mikoshiba			
J/		ВА	5,500,538	Mar. 19, 1996	Yamazaki et al.			

Examiner Signature	Date Considered
11	111245
EXAMINER: Initials citation considered. Draw line through citation if no	it in conformance and not considered, include copy of this form with
next communication to applicant.	

Substitute Form PTO-1449  (Medified)  U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-084002	Application No. 09/686,653	
14 formation Disclosure Statement	Applicant Shunpei Yamazaki, et al.		
(Use several sheets if necessary) (37 CFR \$1.580))	Filing Date October 10, 2000	Group Art Unit 2871	

6 TRADERA	·		U.S. Pate	ent Documents			: : : : : : : : : : : : : : : : : : : :
Examiner Initial		Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
2	BB	5,568,288	Oct. 22, 1996	Yamazaki et al.	1	1	:
	BC	5,583,369	Dec. 10, 1996	Yamazaki et al.		1	
	BD	5,585,951	Dec. 17, 1996	Noda et al.			
	BE	5,684,365	Nov. 4, 1997	Tang et al.			
·	BF	5,686,328	Nov. 11, 1997	Zhang et al.	1.		
	BG	5,705,829	Jan. 6, 1998	Miyanaga et al.			
	ВН	5,731,628	Mar. 24, 1998	Terashima		7	
	BI	5,763,899	Jun. 9, 1998	Yamazaki et al.		Y	
	BJ	5,818,550	Oct. 6, 1998	Kadota et al.		/	,
	BK	5,821,138	Oct. 13, 1998	Yamazaki et al.	7		
	BL	5,844,254	Dec. 1, 1998	Manning et al.			
	ВМ	5,849,043	Dec. 15, 1998	Zhang et al.	1 /		:
	BN	5,899,547	May 4, 1998	Yamazaki et al.			
	ВО	5,905,555	May 18, 1999	Yamazaki et al.			
	BP	5,933,205	Aug. 3, 1999	Yamazaki et al.			
	BQ	5,946,059	Aug. 31, 1999	Yamazaki et al.			
	BR	5,952,708	Sep. 14, 1999	Yamazaki			;
	BS	5,963,278	Oct. 5, 1999	Yamazaki et al.			:
	ВТ	5,990,542	Nov. 23, 1999	Yamazaki			
	BU	6,011,277	Jan. 4, 2000	Yamazaki			
	BV	6,239,470	May 29, 2001	Yamazaki			_
	BW	6,441,468	Aug 27, 2002	Yamazaki			
	BX	6,445,059	Sep 3, 2002	Yamazaki			
	BY	6,501,097	Dec. 31, 2002	Zhang	].		:
V	BZ	6,635,900	Oct. 21, 2003	Yamazaki et al.	1	4	

Examiner Signature	Date Considered
1/2	111 0169
EXAMINER: Initials ditation considered. Draw line through ditation if no	of in conformance and not considered, include copy of this form with

Substitute Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-084002	Application No. 09/686,653	
by An	closure Statement oplicant	Applicant Shunpei Yamazaki, et al.		
	eets if necessary)	Filing Date October 10, 2000	Group Art Unit 2871	

	Foreign Patent Documents or Published Foreign Patent Applications									
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	lation No		
4	CA	JP55-032026	Mar. 6, 1980	JAPAN		\	ABS			
1	СВ	EP0 376 648	Jul 4, 1990	EPO		/\	ENG			
	CC	UK2,274,723	Jul 4, 1990	GREAT BRITAIN			ENG			
	CD	JP02-234134	Sep. 17, 1990	JAPAN			ABS			

(	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document						
	CI							
	CI							

Examiner Signature .	Date Considered
1,	18/24/29
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office

Patent and Trademark Office

O7977-084002

Applicant Shunpei Yamazaki, et al.

(Use several sheets If necessary)

Fling Date

October 10, 2000

Application No. 09/686,653

Applicant Shunpei Yamazaki, et al.

A TRAU			U.S. Pater	t Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						i
	AB						
	AC						
	AD						
	AE						
	AF		·				
	AG						
	AH			*			:
	AI						
	ΑJ	,					
	AK		,	******			

	Foreig	n Patent Doo	cuments or P	ublished Foreign	Patent A	\pplicatio	ns	
Examiner	Desig.	Document	Publication	Country or			Transi	ation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
4	AL	JP02-234-134	17 SEP 1990	JAPAN		,	FULL	
41	AM	JP55-032,026	06 MAR 1980	JAPAN			FULL	
	AN						;	
	AO							
	AP							

	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig.	Document						
	AQ		-					
	AR							
	AS							
	AT							

Examiner Signature	Date Considered	
/	11/269	
EXAMINER: Initials citation considered. Draw line through citation if n next communication to applicant.	ot in conformancé and not considered. Include	e copy of this form with
	Substitute Di	sclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademan Office	Attorney's Docket No. 07977-084002		Application No. 09/686,653
	losure Statement	Applicant	et al/	
(Use several she	plicant lets if necessary 2 8. 2015	Filing Date October 10, 2000		Group Art Unit 2871

			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2002/0117736	Aug 29, 2002	Yamazaki et al.	-		
·	AB	3,844,908	Oct 29, 1974	Matsuo et al.			
	AC ·	4,226,898	Oct. 7, 1980	Ovshinsky et al.			:
	AD	4,523,370	Jun. 18, 1985	Sullivan et al.			
-	AE	4,557,036	Dec. 10, 1985	Kyuragi et al.			
	AF	4,597,637	Jul. 1, 1986	Ohta .			
	AG	4,759,610	Jul. 26, 1988	Yanagisawa			
	AH	4,800,174	Jan. 24, 1989	Ishihara et al.	N. N		
	AI	4,864,376	Sep. 5, 1989	Aoki et al. \\ \) \?\`\			:
	AJ	5,003,356	Mar. 26, 1991	Wakai et al.			
	AK	5,055,899	Oct. 8, 1991	Wakai et al.			3
	AL	5,056,895	Oct. 15, 1991	Kahn			
	AM	5,066,110	Nov/19, 1991	Mizushima et al.			
	AN	5,084,905	Jan. 28, 1992	Sasaki et al.			
	AO	5,091,334	Feb. 25, 1992	Yamazaki et al.			:
	AP	5,132,821	Jul. 21, 1992	Nicholas			
	AQ	5,200,846/	Apr. 6, 1993	Hiroki et al.			1
	AR	5,206,1,83	Apr 27, 1993	Dennison			
	AS	5,227,900	Jul. 13, 1993	Inaba et al.			
•	AT	5,235,195	Aug. 10, 1993	Tran et al.			
	AU	5,287,205	Feb. 15, 1994	Yamazaki et al.			:
	AV	/5,289,016	Feb. 22, 1994	Noguchi		=)(=	
	AW	5,327,001	Jul. 5, 1994	Wakai et al.			:
	AX /	5,488,000	Jan. 30, 1996	Zhang et al.			
	AY	5,495,353	Feb. 27, 1996	Yamazaki et al.			
	ΑZ	5,499,123	Mar. 12, 1996	Mikoshiba			
	BA	5,500,538	Mar. 19, 1996	Yamazaki et al.			:

Examiner Signature	Date Considered	
- · · · · · · · · · · · · · · · · · · ·		
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include conv of this for	m wáth

next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-084002	Application No. 09/686,653
1	losure Statement plicant	Applicant Shunpei Yamazaki, et al.	/
	eets if necessary)	Filing Date October 10, 2000	Group Art Unit : 2871

			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ВВ	5,568,288	Oct. 22, 1996	Yamazaki et al.			
	ВС	5,583,369	Dec. 10, 1996	Yamazaki et al.			;
	BD	5,585,951	Dec. 17, 1996	Noda et al.			
	BE	5,684,365	Nov. 4, 1997	Tang et al.			:
<del></del>	BF	5,686,328	Nov. 11, 1997	Zhang et al.			
	BG	5,705,829	Jan. 6, 1998	Miyanaga et al.			
	ВН	5,731,628	Mar. 24, 1998	Terashima			
	BI	5,763,899	Jun. 9, 1998	Yamazaki et al.			
	BJ	5,818,550	Oct. 6, 1998	Kadota et al.			:
	BK	5,821,138	Oct. 13, 1998	Yamazaki et al.			
	BL	5,844,254	Dec. 1, 1998	Manning et al.			
	ВМ	5,849,043	Dec. 15, 1998	Zhang et al.		gis/	
	BN	5,899,547	May 4, 1998/	Yamazaki et al.	2 1/2°	7	
	во	5,905,555	May 18, 1999	Yamazaki et al.	Dr		:
	BP	5,933,205	Aug. 3/1999	Yamazaki et al.			
	BQ	5,946,059	Aug. 31, 1999	Yamazaki et al.			:
	BR	5,952,708	Şép. 14, 1999	Yamazaki			
	BS	5,963,278	Oct. 5, 1999	Yamazaki et al.			
	ВТ	5,990,542	Nov. 23, 1999	Yamazaki			
	BU	6,011,27,7	Jan. 4, 2000 -	Yamazaki			
	BV	6,239,470	May 29, 2001	Yamazaki			
<del></del>	BW	6,441,468	Aug 27, 2002	Yamazaki			:
	BX	6,445,059	Sep 3, 2002	Yamazaki -			
	BY	6,501,097	Dec. 31, 2002	Zhang			
·	BZ ,	6,635,900	Oct. 21, 2003	Yamazaki et al.			

			<u></u>
Examiner Signature		Date Considered	
•			
•	·	•	
EYAMINER: Initials citation considered	Draw line through citation if no	t in conformance and not considered	Include copy of this form with

next communication to applicant.

Sheet 3 of 3	3	

	Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office		Application No. 09/686,653
	by Applicant (Use several sheets if necessary)		Applicant Shunpei Yamazaki,	et al.
			Filing Date October 10, 2000	Group Art Unit 2871

	Foreig	n Patent Do	cuments or P	ublished Foreign	Patent /	Applicatio	ns	
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	lation No
	CA	JP55-032026	Mar. 6, 1980	JAPAN			ABS	
	СВ	EP0 376 648	Jul 4, 1990 /	EPO			ENG	
	CC	UK2,274,723	Aug. 3, 1994	GREAT BRITAIN			ENG	
	CD	JP02-234134	Sep. 17, 1990	JAPAN			ABS	

(	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
	CI	
	CJ	

**Examiner Signature** 

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet	1_	of	_1

Substitute Form PTO-1449  U.S. Department of Commonto Patents (Patents of Patents of Pat	(Modified)		•	•	r¥		511		
Information Disclosure/Sterment by Applicant by Application   Cless several sheets if recession 2 g and 0 cless 10 cless several sheets if recession 2 g and 0 cless 10, 2000   Coroper Lot 2871    Examiner Desig. Document Initial AA	lņ	(Modified) Patent and redemark Office		ce Attorney's Docket No					
Class several sheets if nocessare 2	Information Disclosure Statement			atement 🔏					
AA AB AB AB AB AC AC AD AD AB	(Use several sheets if neces (1997) 2 8 Ditto			Filing Date			t		
AA AB AB AB AC AC AD AAC AAC AAC AAC AAC AAC AAC AA	(37 CFR §1.98	<u>(b))</u>		Are minister	, , , , , , , , , , , , , , , , , , , ,				
AA AB AB AB AC AC AD AAC AAC AAC AAC AAC AAC AAC AA				U.S. Pate	nt Documents				
AA AB AB AB AC AC AD AD AE AF AG			Document Number	Publication Date	Patentee	Class	Subclass		
AC  AD  AE  AF  AG  AH  AI  AJ  AK  Foreign Patent Documents or Published Foreign Patent Applications  Examiner Initial Desig. Document Number Date Publication Patent Office Class Subclass Full.  AL JP02-234-134 17 SEP 1990 JAPAN FULL  AM JP55-032,026 06 MAR 1980 JAPAN FULL  AN  AO  AP  Other Documents (include Author, Title, Date, and Place of Publication)  Examiner Desig. Initial Documents (include Author, Title, Date, and Place of Publication)  Examiner Desig. Initial Documents (include Author, Title, Date, and Place of Publication)  Examiner Signature Date Considered  Examiner Signature Date Considered  Examiner Signature Date Considered Date Include copy of this form with						/			
AD  AE  AF  AG  AH  AI  AJ  AX  Begin and a patch and	·	AB			. /				
AE  AF  AG  AH  AI  AI  AJ  AK   Foreign Patent Documents or Published Foreign Patent Applications  Examiner Initial ID  AL IP02-234-134 17 SEP 1990   JAPAN   FULL  AN IP55-032,026 06 MAR 1980 JAPAN   FULL  AN AO  AP  Other Documents (include Author, Title, Date, and Place of Publication)  Examiner ID  Examiner ID  AQ  AR  AR  AS  AT  Date Considered  Date Considered  Examiner Signature  Date Considered  Date Considered  Date Considered  Examiner Signature  Date Considered  Examiner Signature  Date Considered  Date Considered  Examiner Signature  Date Considered		AC							<del></del>
AF AG AG AH AI AI AJ AK  Foreign Patent Documents or Published Foreign Patent Applications  Examiner Initial Desig. Document Date Publication Patent Office Class Subclass Yes No AL JP02-234-134 17 SEP 1990 JAPAN FULL AM JP55-032,026 06 MAR 1980 JAPAN FULL AN AO AP  Other Documents (include Author, Title, Date, and Place of Publication)  Examiner ID Examiner ID ID Document AQ AR AR AS AT  Date Considered  Examiner Signature  Date Considered  Date Considered  Examiner Signature  Date Considered  Date Considered. Include copy of this form with		AD							
AG  AH  AI  AI  AI  AI  AK   Foreign Patent Documents or Published Foreign Patent Applications  Examiner Initial ID  AL IP02-234-134 17 SEP 1990 JAPAN FULL  AM IP55-032,026 06 MAR 1980 JAPAN FULL  AN AO  AO  AP  Other Documents (include Author, Title, Date, and Place of Publication)  Examiner Initial ID  AR  AR  AS  AT  Date Considered  Date Considered  Examiner Signature  Date Considered  Date Considered  Date Considered  Date Considered Include copy of this form with		AE				. 1		ļ: 	
Ad AH AI AI AI AX AK AK AN					/	-		<u>.</u> .	. •
AI  AJ  AK  Foreign Patent Documents or Published Foreign Patent Applications  Examiner Initial Desig. Document Publication Date Patent Office Class Subclass Yes No Patent Office Class Subclass Publication Publication Patent Office Class Subclass Publication Publication Publication Publication Publication Publication Publication Date Publication Date Publication Document Initial Desig. In Document Document Desig. In Document Docu					/				
Foreign Patent Documents or Published Foreign Patent Applications  Examiner Initial Desig. Document Number Date Patent Office Class Subclass Yes No Patent Office Class Subclass Yes No FULL  AL P02-234-134 17 SEP 1990 JAPAN FULL  AM JP55-032,026 06 MAR 1980 JAPAN FULL  AN AO AP Documents (include Author, Title, Date, and Place of Publication)  Examiner Desig. Initial Desig. In Document  AR AS AS AT Date Considered  Examiner Signature Date Considered. Draw line through citation if not in conformance and not considered. Include copy of this form with new decomposition to applicant.					1,0	-			
Foreign Patent Documents or Published Foreign Patent Applications  Examiner Initial ID Desig. Number Date Patent Office Class Subclass Yes No Patent Office Class Subclass Yes No FULL  AL JP02-234-134 17 SEP 1990 JAPAN FULL  AM JP55-032,026 06 MAR 1980 JAPAN FULL  AN AO AP Documents (include Author, Title, Date, and Place of Publication)  Examiner Initial ID Document  AQ AR  AS AS AT Date Considered  Examiner Signature Date Considered  Examiner Signature Date Considered  Examiner Initials claision considered. Draw line through citation if not in conformance and not considered. Include copy of this form with		ļ			<del>\</del>	<del></del>		ļ	
Foreign Patent Documents or Published Foreign Patent Applications   Translation		L		7	<del>                                     </del>	<del>                                     </del>			
Examiner Initial Desig.   Document Number   Publication Date   Patent Office   Class   Subclass   Translation   Yes   No	<u> </u>	AK		<u> </u>	L_ <i></i>			] <u>:</u>	
Examiner Initial Desig.   Document Number   Publication Date   Patent Office   Class   Subclass   Translation   Yes   No		Foroig	n Patent Doc	ruments or Pi	ublished Foreign	Patent A	Applicatio	ns	
Initial ID Number Date Patent Office Class Subclass Yes No AL JP02-234-134 17 SEP 1990 / JAPAN FULL  AM JP55-032,026 06 MAR 1980 JAPAN FULL  AN AO AP AP Documents (include Author, Title, Date, and Place of Publication)  Examiner Initial Desig ID Document  AQ AR AS AS AS AT Date Considered  Examiner Signature Date Considered  Examiner Signature Date Considered  Examiner Signature Date Considered  Examiner Signature Date Considered Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	Evaminer					T dtont/	(ppiioutio	Transl	ation
AM JP55-032,026 06 MAR 1980 JAPAN FULL  AN AO AO AP Documents (include Author, Title, Date, and Place of Publication)  Examiner Initial ID Document  AQ AR AR AS AS AT Date Considered  EXAMINER: initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				Date /	Patent Office	Class	Subclass		No
AN  AO  AP  Other Documents (include Author, Title, Date, and Place of Publication)  Examiner Desig.   Document  AQ  AR  AS  AT   Date Considered  EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with		AL							
Other Documents (include Author, Title, Date, and Place of Publication)  Examiner   Desig		AM	JP55-032,026	06 MAR 1980	JAPAN			FULL	
Other Documents (include Author, Title, Date, and Place of Publication)  Examiner Desig ID Document  AQ  AR  AS  AT   Examiner Signature Date Considered  EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		AN		//				ļ <del> </del>	
Other Documents (include Author, Title, Date, and Place of Publication)  Examiner   Desig.     Document     AQ		<u> </u>		/_					
Examiner Desig.   Document		AP	<u> </u>	/			<u> </u>	<u> </u>	<u> </u>
Examiner Desig.   Document	1	Other D	ocuments (ii	nclude Autho	r, Title, Date, and	l Place o	f Publicat	ion)	
AQ AR AS AT  Date Considered  EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					Document				
Examiner Signature  Date Considered  EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	IIIIIai	<del></del>		<del></del>					
Examiner Signature  Date Considered  EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		AR		1					
Examiner Signature  Date Considered  EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				,				:	
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with		AS	1		<u>.</u>			: .	
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with		<del> </del>							
next communication to applicant.		<del> </del>							
next communication to applicant.	Examiner Sign	AT			Date Considered				
Substitute Disclosure Form (PTO-1449)	EXAMINER: 1	AT	on considered. Draw	line through citation		not considere	d. Include copy	of this form	with

Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 07977-084002

Application No. 09/686.653

Information Disclosure Statement by Applicant

by Applicant (Use several sheets if necessary), 1 1

Applicant Shunpei Yamazaki, et al.

Filing Date
October 10, 2000

Group Art Unit 2871

(37 CFR §1.98(b)) **CURSOF** atent Documents Filing Date Publication Document Desig. Examiner If Appropriate Patentee Class Subclass Number Date ID Initial Yamazaki et al. Aug 29, 2002 AA 2002/0117736 Matsuo et al. 3,844,908 Oct 29, 1974 AB Oct. 7, 1980 Ovshinsky et al. 4,226,898 AC Sullivan et al. 4,523,370 Jun. 18, 1985 AD Kyuragi et al. 4,557,036 Dec. 10, 1985 ΑE Jul. 1, 1986 Ohta 4,597,637 AF Yanagisawa Jul. 26, 1988 4,759,610 AG Ishihara et al. 4,800,174 Jan. 24, 1989 AH Aoki et al. 4,864,376 Sep. 5, 1989, ΑI Mar. 26, 1991 Wakai et al. 5,003,356 ΑJ 1 1/1/2 Oct. 8,1991 Wakai et al. ΑK 5,055,899 Oct/15, 1991 Kahn 5,056,895 AL Mizushima et al. Nov 19, 1991 5,066,110 AM Sasaki et al. Jan. 28, 1992 5,084,905 AN Feb. 25, 1992 Yamazaki et al. 5,091,334 ΑO 5,132,821 Jul. 21, 1992 **Nicholas** AP Hiroki et al. 5,200,846 Apr. 6, 1993 AQ Dennison 5,206,183 Apr 27, 1993 AR 3,227,900 Jul. 13, 1993 Inaba et al. AS 5,235,195 Aug. 10, 1993 Tran et al. AT Yamazaki et al. 5,287,205 Feb. 15, 1994 ΑU Noguchi AV/ Feb. 22, 1994 5,289,016 Jul. 5, 1994 Wakai et al. ΑŴ 5,327,001 Jan. 30, 1996 Zhang et al. źΑX 5,488,000 Yamazaki et al. 5,495,353 Feb. 27, 1996 AY Mikoshiba ΑZ 5,499,123 Mar. 12, 1996 Mar. 19, 1996 Yamazaki et al. BA 5,500,538

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with

next communication to applicant.



Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 07977-084002

Application No. 09/686,653

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

Applicant Shunpei Yamazaki, et al.

Filing Date October 10, 2000

Group Art Unit 2871

(37 CFR §1.98(b))

Examiner	Desig.	Document	Publication	nt Documents			Filing Date
Initial	ID ID	Number	Date	Patentee	Class	Subclass	If Appropriate
	BB	5,568,288	Oct. 22, 1996	Yamazaki et al.			
	вс	5,583,369	Dec. 10, 1996	Yamazaki et al.			
	BD	5,585,951	Dec. 17, 1996	Noda et al.	/	7	
	BE	5,684,365	Nov. 4, 1997	Tang et al.			:
	BF	5,686,328	Nov. 11, 1997	Zhang et al.			:
	BG	5,705,829	Jan. 6, 1998	Miyanaga et al.			
	вн	5,731,628	Mar. 24, 1998	Terashima /			
	BI	5,763,899	Jun. 9, 1998	Yamazaki et al.			
	ВЈ	5,818,550	Oct. 6, 1998	Kadota et al.			
	BK	5,821,138	Oct. 13, 1998	Yamazaki et al.			:
	BL	5,844,254	Dec. 1, 1998	Manning et al.			<u> </u>
	ВМ	5,849,043	Dec. 15, 1998/	Zhang et al.			:
	BN	5,899,547	May 4, 1998	Yamazaki et al.	سايرنا		
	во	5,905,555	May 18, 1999	Yamazaki et al.	]		
	BP	5,933,205	Aug,/3, 1999	Yamazaki et al.			
	BQ	5,946,059	Aug. 31, 1999	Yamazaki et al.			:
	BR	5,952,708	Sep. 14, 1999	Yamazaki			
	BS	5,963,278 /	Oct. 5, 1999	Yamazaki et al.			
	BT	5,990,542	Nov. 23, 1999	Yamazaki			
······································	BU	6,011,277	Jan. 4, 2000	Yamazaki		,	
	BV	6,239,470	May 29, 2001	Yamazaki			
	BW	6,441,468	Aug 27, 2002	Yamazaki			:
	BX	6,445,059	Sep 3, 2002	Yamazaki			
	BY	6,501,097	Dec. 31, 2002	Zhang			
	BZ/	6,635,900	Oct. 21, 2003	Yamazaki et al.			

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**ABS** 

Form PTO-1449 Bubstille (Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

Sep. 17, 1990

JP02-234134

CD

Attorney's Docket No. 07977-084002

Application No. 09/686,653

Information Disclosure Statement by Applicant

Applicant

Shunpei Yamazaki, et al.

Filing Date October 10, 2000 **Group Art Unit** 2871

Foreign Patent Documents or Published Foreign Patent Applications Translation Country or Publication Document Desig. Examiner Subclass Yes No Patent Office Class Date ID Number Initial **ABS JAPAN** Mar. 6, 1980 CA JP55-032026 ENG **EPO** Jul 4, 1990 CB EP0 376 648 **ENG GREAT BRITAIN** Aug. 3, 1994 UK2,274,723 CC

**JAPAN** 

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner Initial	Desig. ID	Document					
	CI						
	Cl						

Dry hank

Examiner Signature,

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

PE (MG)

Substitute Form PTO-1449 (Moderal)

U.S. Department of Commerce \* Patent and Trademark Office Attorney's Docket No. 07977-084002

Application No. 09/686,653

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Shunpei Yamazaki, et al.

Applicant

(Ose several direct in insection

Filing Date
October 10, 2000

Group Art Unit 2871

40,00			U.S. Patent	Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						· ·
	AC						
	AD						
	AE						
	AF						
	AG	· · · · · · · · · · · · · · · · · · ·					:
	AH						: 
	AI			h	V. wh		
	ΑJ			/ V	N		
	AK						

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Transl Yes	ation No
	AL	JP02-234-134	17 SEP 1990 /	JAPAN			FULL	
	AM	Љ55-032,026	06 MAR 1980	JAPAN			FULL	
	AN							
	AO		. /					
	AP		/					

	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	/ Documen	ıt					
	AQ	7 /						
	AR							
	AS	/						
	AT	. /						

Examiner Signature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

